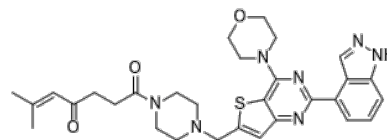


Product Name : CNX-1351
Cat. No. : PC-25282
CAS No. : 1276105-89-5
Molecular Formula : C₃₀H₃₅N₇O₃S
Molecular Weight : 573.72
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

CNX-1351 (CNX1351) is a potent, isoform-selective and covalent inhibitor of PI3K α with IC₅₀ of 6.8 nM, covalently modifies PI3K α on cysteine 862 (C862).

CNX-1351 does not covalently modifies PI3K β , - γ , and - δ and shows no inhibitory activities.

CNX-1351 inhibits PI3K signaling in SKOV3 cells with EC₅₀ of 10-100 nM in SKOV3 cells, irreversibly inhibits p-AktSer473.

CNX-1351 inhibits cell growth of cancer cell with PIK3CA activating mutations, SKOV3 ovarian cancer cells (H1047R) and MCF-7 breast cancer cells (E545K), with IC₅₀ of 77.6 and 54.7 nM respectively.

CNX-1351 (100 mg/kg ip) inhibits p-AktSer473 in mouse spleens and binds to PI3K α in vivo.

References

Nacht M, et al. J Med Chem. 2013 Feb 14;56(3):712-21.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com